

Please type a classification (+) inside this box →

+

PTO/SB/08A (08-00)

Form for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Complete if Known

Application Number	10/055,713
Filing Date	Jan. 22, 2002
First Named Inventor	Jamieson et al.
Group Art Unit	1645
Examiner Name	
Attorney Docket Number	8325-0026

Sheet	1	of	25
-------	---	----	----

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY
		Number	Kind Code ² (if known)		
CC	A1	4,407,956		Howell	10-04-1983
	A2	4,536,475		Anderson	08-20-1985
	A3	4,684,611		Schilperoort et al.	08-04-1987
	A4	4,945,050		Sanford et al.	07-31-1990
	A5	4,990,607		Katagiri et al.	02-05-1991
	A6	5,096,814		Aivasidis et al.	03-17-1992
	A7	5,096,815		Ladner et al.	03-17-1992
	A8	5,198,346		Ladner et al.	03-30-1993
	A9	5,223,409		Ladner et al.	06-29-1993
	A10	5,243,041		Fernandez-Pol	09-07-1993
	A11	5,302,519		Blackwood et al.	04-12-1994
	A12	5,324,638		Tao et al.	06-28-1994
	A13	5,324,818		Nabel et al.	06-28-1994
	A14	5,324,819		Oppermann et al.	06-28-1994
	A15	5,340,739		Stevens et al.	08-23-1994
	A16	5,348,864		Barbacid et al.	09-20-1994
	A17	5,350,840		Call et al.	09-27-1994
	A18	5,356,802		Chandrasegaran	10-18-1994
	A19	5,376,530		De The et al.	12-27-1994
	A20	5,403,484		Ladner et al.	04-04-1995
	A21	5,436,150		Chandrasegaran	07-25-1995
	A22	5,487,994		Chandrasegaran	01-30-1996
	A23	5,498,530		Schatz et al.	03-12-1996
	A24	5,578,483		Evans et al.	11-26-1996
	A25	5,585,245		Johnsson et al.	12-17-1996
	A26	5,597,693		Evans et al.	01-28-1997
	A27	5,639,592		Evans et al.	06-17-1997
	A28	5,674,738		Abramson et al.	10-07-1997
	A29	5,702,914		Evans et al.	12-30-1997
	A30	5,789,538		Rebar et al.	08-04-1998
	A31	5,792,640		Chandrasegaran	08-11-1998
	A32	5,792,933		Ma	08-11-1998
	A33	5,830,721		Stemmer et al.	11-03-1998
	A34	5,866,121		Coffino et al.	02-02-1999
	A35	5,869,618		Lippman et al.	02-09-1999
	A36	5,871,902		Weininger et al.	02-16-1999
	A37	5,871,907		Winter et al.	02-16-1999
	A38	5,916,794		Chandrasegaran	06-29-1999
	A39	5,939,538		Leavitt et al.	08-17-1999
	A40	5,972,615		An et al.	10-26-1999
	A41	6,001,885		Vega et al.	12-14-1999

Examiner Signature	<i>Christina Collier</i>	Date Considered	8/17/05
-----------------------	--------------------------	--------------------	---------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number.

² See attached Kinds of U.S. Patent Documents.

Please type a plus sign (+) inside this box → +

PTO/SB/08A (08-00)

Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)			Complete if Known		
			Application Number	10/055,713	
			Filing Date	Jan. 22, 2002	
			First Named Inventor	Jamieson et al.	
			Group Art Unit	1645	
			Examiner Name		
Sheet	2	of	25	Attorney Docket Number	8325-0026

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ³	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY
		Number	Kind Code ⁴ (if known)		
cc	A42	6,007,408		Sandhu	12-28-1999
	A43	6,140,081		Barbas	10-31-2000
	A44	6,140,466		Barbas, III et al.	10-31-2000
	A45	6,160,091		Peukart et al.	12-12-2000
	A46	6,207,446	B1	Szostak et al.	03-27-2001
↓	A47	6,242,568 B1	B1	Barbas, III et al.	06-05-2001

FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	T ⁷
		Office ⁵	Number ⁶	Kind Code ⁴			
CC <							

NO ENGLISH
TRANSLATION
OR EXPLANATION
OF RELEVANCE

Examiner Signature		Date Considered	8/17/05
-----------------------	--	--------------------	---------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FOREIGN PATENT DOCUMENTS

³ Unique citation designation number.

⁴ See attached Kinds of U.S. Patent Documents.

⁵ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3).

⁶ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.

⁷ Applicant is to place a check mark here if English language Translation is attached.

Please type a plus sign (+) inside this box →



PTO/SB/08A (08-00)

Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		<i>Complete if Known</i>			
		Application Number	10/055,713		
		Filing Date	Jan. 22, 2002		
		First Named Inventor	Jamieson et al.		
		Group Art Unit	1645		
		Examiner Name			
Sheet	3	of	25	Attorney Docket Number	8325-0026

Examiner Initials*	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	T ¹¹
		Office ⁸ Code ¹⁰	Number ⁹	Kind (if known)			
OC	B22	WO	99/40210		Simmons, et al.	08-12-1999	
	B23	WO	99/41371		Strata Biosciences Incorporated	08-19-1999	
	B24	WO	99/42474		Genome Dynamics, Inc.	08-26-1999	
	B25	WO	99/45132		Massachusetts Institute of Technology	09-10-1999	
	B26	WO	99/47656		Medical Research Council	09-23-1999	
	B27	WO	99/48909		Greisman, Harvey A.	09-30-1999	
	B28	WO	00/23464		Novartis AG	04-27-2000	
	B29	WO	00/27878		Gendaq Limited	05-18-2000	
	B30	WO	00/41566		Sangamo Biosciences, Inc.	07-20-2000	
	B31	WO	00/42219		Sangamo Biosciences, Inc.	07-20-2000	
	B32	WO	00/47775		The General Hospital Corporation	08-17-2000	
	B33	WO	01/83751		Sangamo Biosciences, Inc.	11-08-2001	
	B34	WO	01/83732		Sangamo Biosciences, Inc.	11-08-2001	
	B35	WO	02/066640 A2		Novartis AG	08-29-2002	
	B36	WO	03/016496 A2		The Scripps Research Institute	02-27-2003	

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS				T ¹
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.		
OC ↓	C1	Abel et al., "TRANSIENT TRANSFORMATION OF ARABIDOPSIS LEAF PROTOPLASTS: A VERSATILE EXPERIMENTAL SYSTEM TO STUDY GENE EXPRESSION," Plant Journal, 5: 421-427 (1994)		
	C2	Agarwal et al., "STIMULATION OF TRANSCRIPT ELONGATION REQUIRES BOTH THE ZINC FINGER AND RNA POLYMERASE II BINDING DOMAINS OF HUMAN TFIIS," Biochemistry 30(31): 7842-7851 (1991)		
	C3	Antao et al., "A THERMODYNAMIC STUDY OF UNUSUALLY STABLE RNA AND DNA HAIRPINS," Nuc. Acids. Res. 19(21): 5901-5905 (1991)		
	C4	Barbas, C.F. "RECENT ADVANCES IN PHAGE DISPLAY," Curr. Opin. Biotech. 4: 526-530 (1993)		
	C5	Barbas et al., "ASSEMBLY OF COMBINATORIAL ANTIBODY LIBRARIES ON PHAGE SURFACES: THE GENE III SITE," PNAS 88: 7978-7982 (1991)		

Examiner Signature	<i>Anthony P. Jones</i>	Date Considered	8/17/05
-----------------------	-------------------------	--------------------	---------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

⁸ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3).

⁹ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.

¹⁰ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible.


¹¹ Applicant is to place a check mark here if English language Translation is attached.


Please type a plus sign (+) inside this box →



PTO/SB/08A (08-00)

Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>			Complete if Known		
			Application Number	10/055,713	
			Filing Date	Jan. 22, 2002	
			First Named Inventor	Jamieson et al.	
			Group Art Unit	1645	
			Examiner Name		
Sheet	4	of	25	Attorney Docket Number	8325-0026

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS				
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.		T ¹
	C6	Barbas et al., "SEMISYNTHETIC COMBINATORIAL ANTIBODY LIBRARIES: A CHEMICAL SOLUTION TO THE DIVERSITY PROBLEM," PNAS 89: 4457-4461 (1992)		
	C7	Beerli et al., "TOWARD CONTROLLING GENE EXPRESSION AT WILL: SPECIFIC REGULATION OF THE ERBB-2/HER-2 PROMOTER BY USING POLYDACTYL ZINC FINGER PROTEINS CONSTRUCTED FROM MODULAR BUILDING BLOCKS," PNAS 95: 14628-14633 (1998)		
	C8	Beerli et al., "POSITIVE AND NEGATIVE REGULATION OF ENDOGENOUS GENES BY DESIGNED TRANSCRIPTION FACTORS," PNAS 97: 1495-1500 (2000)		
	C9	Bellefroid et al., "CLUSTERED ORGANIZATION OF HOMOLOGOUS KRAB ZINC-FINGER GENES WITH ENHANCED EXPRESSION IN HUMAN T LYMPHOID CELLS," EMBO J. 12(4): 1363-1374 (1993)		
	C10	Berg, J.M., "DNA BINDING SPECIFICITY OF STEROID RECEPTORS," Cell 57: 1065-1068 (1989)		
	C11	Berg, J.M., "SP1 AND THE SUBFAMILY OF ZINC-FINGER PROTEINS WITH GUANINE-RICH BINDING SITES," PNAS 89: 11109-11110 (1992)		
	C12	Berg et al., "THE GALVANIZATION OF BIOLOGY: A GROWING APPRECIATION FOR THE ROLES OF ZINC," Science 271: 1081-1085 (1996)		
	C13	Berg, J.M., "LETTING YOUR FINGERS DO THE WALKING," Nature Biotechnology 15: 323 (1997)		
	C14	Bergqvist et al., "LOSS OF DNA-BINDING AND NEW TRANSCRIPTIONAL TRANS-ACTIVATION FUNCTION IN POLYOMAVIRUS LARGE T—ANTIGEN WITH MUTATION OF ZINC FINGER MOTIF," Nuc. Acid Res. 18(9): 2715-2720 (1990)		
	C15	Bevan et al., "T-DNA OF THE AGROBACTERIUM T ₁ AND R ₁ PLASMIDS," Ann. Rev. Genet. 16: 357-384 (1982)		
	C16	Bevan et al., "BINARY AGROBACTERIUM VECTORS FOR PLANT TRANSFORMATION," Nucleic Acid. Res. 12: 8711-8721 (1984)		
	C17	Bevan et al., "THE STRUCTURE AND TRANSCRIPTION START SITE OF A MAJOR POTATO TUBER PROTEIN GENE," Nucleic Acids Res. 14: 4625-4638 (1986)		

Examiner Signature		Date Considered	8/17/05
--------------------	-------------------------------------------------------------------------------------	-----------------	---------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number.

¹ Applicant is to place a check mark here if English language Translation attached.

Please type a plus sign (+) inside this box →



PTO/SB/08A (08-00)

Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)			Complete if Known		
			Application Number	10/055,713	
			Filing Date	Jan. 22, 2002	
			First Named Inventor	Jamieson et al.	
			Group Art Unit	1645	
			Examiner Name		
Sheet	5	of	25	Attorney Docket Number	8325-0026

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS				
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.		T ¹
CC	C18	Bird et al., "METHYLATION-INDUCED REPRESSION – BELTS, BRACES, AND CHROMATIN," Cell 99: 451-454 (1999)		
	C19	Bitko et al., "PERSISTENT ACTIVATION OF RELA BY RESPIRATORY SYNCYTIAL VIRUS INVOLVES PROTEIN KINASE C, UNDERPHOSPHORYLATED IKBB, AND SEQUESTRATION OF PROTEIN PHOSPHATASE 2A BY THE VIRAL PHOSPHOPROTEIN," J. Virol. 72:5610-5618 (1998)		
	C20	Blackburn, "ENGINEERING AND DESIGN: RATIONAL VERSUS COMBINATORIAL APPROACHES," Curr. Opin. Struct. Biol. 10:399-400 (2000)		
	C21	Blaise et al., "VECTORS IN CANCER THERAPY: HOW WILL THEY DELIVER?" Cancer Gene Therapy 2(4): 291-297 (1995)		
	C22	Bock et al., "SLENEOPROTEIN SYNTHESIS: AN EXPANSION OF THE GENETIC CODE," Trends Biochem. Sci. 16:463-467 (1991)		
	C23	Bonde et al., "ONTOGENY OF THE V-ERBA ONCOPROTEIN FROM THE THYROID HORMONE RECEPTOR: AN ALTERATION IN THE DNA BINDING DOMAIN PLAYS A ROLE CRUCIAL FOR VERBA FUNCTION," J. Virology 65(4): 2037-2046 (1991)		
	C24	Bray, "EXPRESSION OF THE B-SUBUNIT OF B-CONGLYCININ IN SEEDS OF TRANSGENIC PLANTS," Planta 172: 364-370 (1987)		
	C25	Brisson et al., "EXPRESSION OF A BACTERIAL GENE IN PLANTS BY USING A VIRAL VECTOR" Nature 310:511-514 (1984)		
	C26	Broglic et al., "LIGHT-REGULATED EXPRESSION OF A PEA RIBULOSE-1,5-BISPHOSPHATE CARBOXYLASE SMALL SUBUNIT GENE IN TRANSFORMED PLANT CELLS," Science 224:838-843 (1984)		
	C27	Caponigro et al., "TRANSDOMINATION GENETIC ANALYSIS OF A GROWTH CONTROL PATHWAY," PNAS 95: 7508-7513 (1998)		
↓	C28	Celenza et al., "A YEAST GENE THAT IS ESSENTIAL FOR RELEASE FROM GLUCOSE REPRESSION ENCODES A PROTEIN KINASE," Science 233: 1175-1180 (1986)		
	C29	Cheng et al., "IDENTIFICATION OF POTENTIAL TARGET GENES FOR ADR1P THROUGH CHARACTERIZATION OF ESSENTIAL NUCLEOTIDES IN UAS1," Mol. Cellular Biol. 14(6): 3842-3852 (1994)		

Examiner Signature	<i>Christina Collier</i>	Date Considered	8/17/05
--------------------	--------------------------	-----------------	---------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number.

¹ Applicant is to place a check mark here if English language Translation attached.

Please type a plus sign (+) inside this box →

+

PTO/SB/08A (08-00)

Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		<i>Complete if Known</i>			
		Application Number	10/055,713		
		Filing Date	Jan. 22, 2002		
		First Named Inventor	Jamieson et al.		
		Group Art Unit	1645		
		Examiner Name			
Sheet	6	of	25	Attorney Docket Number	8325-0026

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ¹
	C30	Cheng et al., "A SINGLE AMINO ACID SUBSTITUTION IN ZINC FINGER 2 OF ADR1P CHANGES ITS BINDING SPECIFICITY AT TWO POSITIONS IN UAS1," J. Mol. Biol. 251: 1-8 (1995)	
	C31	Chern et al., "THE REGULATOR OF MAT2 (ROM2) PROTEIN BINDS TO EARLY MATURATION PROMOTERS AND REPRESSES PVALF-ACTIVATED TRANSCRIPTION," Plant Cell 8: 305-321 (1996)	
	C32	Cho et al., "ANALYSIS OF THE C-TERMINAL REGION OF ARABIDOPSIS THALANIA APETALA1 AS A TRANSCRIPTION ACTIVATION DOMAIN," Plant Mol. Biol. 40:419-429 (1999)	
	C33	Choo et al., "DESIGNING DNA-BINDING PROTEINS ON THE SURFACE OF FILAMENTOUS PHAGE," Curr. Opin. Biotechnology 6: 431-436 (1995)	
	C34	Choo et al., "PHYSICAL BASIS OF PROTEIN-DNA RECOGNITION CODE," Curr. Opin. Struct. Biol. 7(1): 117-125 (1997)	
	C35	Choo et al., "ADVANCES IN ZINC FINGER ENGINEERING," Curr. Opin. Struct. Biol. 10:411-416 (2000)	
	C36	Choo et al., "PROMOTER-SPECIFIC ACTIVATION OF GENE EXPRESSION DIRECTED BY BACTERIOPHAGE-SELECTED ZINC FINGERS," J. Mol. Biol. 273: 525-532 (1997)	
	C37	Choo et al., "IN VIVO REPRESSION BY A SITE-SPECIFIC DNA-BINDING PROTEIN DESIGNED AGAINST AN ONOGENIC SEQUENCE," Nature 372: 642-645 (1994)	
	C38	Choo et al., "ALL WRAPPED UP," Nature Struct. Biol. 5(4): 253-255 (1998)	
	C39	Choo, Y., "RECOGNITION OF DNA METHYLATION BY ZINC FINGERS," Nature Struct. Biol. 5(4): 264-265 (1998)	
	C40	Choo, Y., "END EFFECTS IN DNA RECOGNITION BY ZINC FINGER ARRAYS," Nuc. Acids. Res. 26(2): 554-557 (1998)	
	C41	Choo et al., "A ROLE IN DNA-BINDING FOR THE LINKER SEQUENCES OF THE FIRST THREE ZINC FINGERS OF TFIIIA" Nuc. Acids Res. 21(15): 3341-3346 (1993)	

Examiner Signature		Date Considered	8/17/05
--------------------	--	-----------------	---------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number.

¹ Applicant is to place a check mark here if English language Translation attached.

Please type a plus sign (+) inside this box →



PTO/SB/08A (08-00)

Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		<i>Complete if Known</i>			
		Application Number	10/055,713		
		Filing Date	Jan. 22, 2002		
		First Named Inventor	Jamieson et al.		
		Group Art Unit	1645		
		Examiner Name			
Sheet	7	of	25	Attorney Docket Number	8325-0026

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ¹
	C42	Choo et al., "TOWARD A CODE FOR THE INTERACTIONS OF ZINC FINGERS WITH DNA: SELECTION OF RANDOMIZED FINGERS DISPLAYED ON PHAGE," PNAS 91: 11163-11167 (1994)	
	C43	Choo et al., "SELECTION OF DNA BINDING SITES FOR ZINC FINGERS USING RATIONALLY RANDOMIZED DNA REVEALS CODED INTERACTIONS," PNAS 91: 11168-11172 (1994)	
	C44	Christensen et al., "MAIZE POLYUBIQUITIN GENES: STRUCTURE, THERMAL PERTURBATION OF EXPRESSION AND TRANSCRIPT SPLICING, AND PROMOTER ACTIVITY FOLLOWING TRANSFER TP PTOTOPLASTS BY ELECTROPORATION," Plant Mol. Biol. 18:675-689 (1992)	
	C45	Cirillo et al., "BINDING OF THE WINGED-HELIX TRANSCRIPTION FACTOR HNF3 TO A LINKER HISTONE SITE ON THE NUCLEOSOME," EMBO J. 17: 244-254 (1998)	
	C46	Clark-Curtiss et al., "ANALYSIS OF RECOMBINANT DNA USING ESCHERICHIA COLI MINICELLS," in Methods in Enzymology 101:347-362 (Wu et al., eds) (1983)	
	C47	Clarke et al., "ZINC FINGERS IN CAENORHABDITIS ELEGANS: FINDING FAMILIIES AND PROBING PATHWAYS," Science 282: 2018-2022 (1998)	
	C48	Colley et al., "CONVERSION OF A GOLGI APPARATUS SIALTRANSFERASE TO A SECRETORY PROTEIN BY REPLACEMENT OF THE NH2-TERMINAL SIGNAL ANCHOR WITH A SIGNAL PEPTIDE," J. Biol. Chem. 264:17619-17622 (1989)	
	C49	Collingwood et al., "NUCLEAR RECEPTORS: COACTIVATORS, COREPRESSORS AND CHROMATIN REMODELING IN THE CONTROL OF TRANSCRIPTION," J. Mol. Endocrinol. 23: 255-275 (1999)	
	C50	Corbi et al., "SYNTHESIS OF A NEW ZINC FINGER PEPTIDE: COMPARISON OF ITS "CODE" DEDUCED AND "CASTING" DERIVED BINDING SITES," FEBS Letters 417: 71-74 (1997)	
	C51	Cordingley et al., "STERIOD-DEPENDENT INTERACTION OF TRANSCRIPTION FACTORS WITH THE INDUCIBLE PROMOTER OF MOUSE MAMMARY TUMOR VIRUS IN VIVO," Cell 48: 261-270 (1987)	
	C52	Crossway et al., "MICROMANIPULATION TECHNIQUES IN PLANT BIOTECHNOLOGY," Biotechniques 4: 320-334 (1986)	
	C53	Crozatier et al., "SINGLE AMINO ACID EXCHANGES IN SEPARATE DOMAINS OF THE DROSOPHILA SERENDIPITY ZINC FINGER PROTEIN CAUSE EMBRYONIC AND SEX BIASED LETHALITY," Genetics 131: 905-916 (1992)	

Examiner Signature		Date Considered	8/17/05
--------------------	--	-----------------	---------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number.

¹ Applicant is to place a check mark here if English language Translation attached.

Please type a plus sign (+) inside this box →



PTO/SB/08A (08-00)

Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		<i>Complete if Known</i>			
		Application Number	10/055,713		
		Filing Date	Jan. 22, 2002		
		First Named Inventor	Jamieson et al.		
		Group Art Unit	1645		
Examiner Name					
Sheet	8	of	25	Attorney Docket Number	8325-0026

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ¹
Cc	C54	Cruz et al., "CELL-TO-CELL AND PHLOEM-MEDIATED TRANSPORT OF POTATO VIRUS X. THE ROLE OF VIRIONS," Plant Cell 10:495-510 (1998)	
	C55	Damm et al., "PROTEIN ENCODED BY V-erbA FUNCTIONS AS A THYROID-HORMONE RECEPTOR ANTAGONIST," Nature 339:593-597 (1989)	
	C56	Debs et al., "REGULATION OF GENE EXPRESSION IN VIVO BY LIPOSOME-MEDIATED DELIVERY OF A PURIFIED TRANSCRIPTION FACTOR," J. Biological Chemistry 265(18): 10189-10192 (1990)	
	C57	Desjardins et al., "REPEATED CT ELEMENTS BOUND BY ZINC FINGER PROTEINS CONTROL THE ABSOLUTE AND RELATIVE ACTIVITIES OF THE TWO PRINCIPAL HUMAN C-MYC PROMOTERS," Mol. Cell. Biol. 13(9): 5710-5724 (1993)	
	C58	Desjarlais et al., "REDESIGNING THE DNA-BINDING SPECIFICITY OF A ZINC FINGER PROTEIN: A DATA BASE-GUIDED APPROACH," Proteins: Structure, Function, and Genetics 12(2): 101-104 (1992)	
	C59	Desjarlais et al., "REDESIGNING THE DNA-BINDING SPECIFICITY OF A ZINC FINGER PROTEIN: A DATA BASE-GUIDED APPROACH," Proteins: Structure, Function, and Genetics 13(3): 272 (1992)	
	C60	Desjarlais et al., "TOWARD RULES RELATING ZINC FINGER PROTEIN SEQUENCES AND DNA BINDING SITE PREFERENCES," PNAS 90: 7345-7349 (1992)	
	C61	Desjarlais et al., "USE OF A ZINC-FINGER CONSENSUS SEQUENCE FRAMEWORK AND SPECIFICITY RULES TO DESIGN SPECIFIC DNA BINDING, PROTEINS" PNAS 90: 2256-2260 (1993)	
	C62	Desjarlais et al., "LENGTH-ENCODED MULTIPLEX BINDING SITE DETERMINATION: APPLICATION TO ZINC FINGER PROTEINS," PNAS 91: 11099-11103 (1994)	
	C63	D'Halluin et al., "TRANSGENIC MAIZE PLANTS BY TISSUE ELECTROPORATION," Plant Cell 4:1495-1505 (1992)	
	C64	Dibello et al., "THE DROSOPHILA BROAD-COMPLEX ENCODES A FAMILY OF RELATED PROTEINS CONTAINING ZINC FINGERS," Genetics 129: 385-397 (1991)	
	C65	Donze et al., "ACTIVATION OF DELTA-GLOBIN GENE EXPRESSION BY ERYTHROID KRUPPLE-LIKE FACTOR: A POTENTIAL APPROACH FOR GENE THERAPY OF SICKLE CELL DISEASE," Blood 88: 4051-4057 (1996)	

Examiner Signature	<i>Christina Boelke</i>	Date Considered	8/17/05
--------------------	-------------------------	-----------------	---------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number.

¹ Applicant is to place a check mark here if English language Translation attached.

Please type a plus sign (+) inside this box →



PTO/SB/08A (08-00)

Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		<i>Complete if Known</i>			
		Application Number	10/055,713		
		Filing Date	Jan. 22, 2002		
		First Named Inventor	Jamieson et al.		
		Group Art Unit	1645		
		Examiner Name			
Sheet	9	of	25	Attorney Docket Number	8325-0026

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ¹
CC	C66	Doyle & Hunt, "REDUCED NUCLEAR FACTOR Kb (p65) EXPRESSION IN RAT PRIMARY SENSORY NEURONS AFTER PERIPHERAL NERVE INJURY," Neuroreport 8:2937-2942 (1997)	
	C67	Duering, K., "SYNTHESIS AND SELF-ASSEMBLY OF A FUNCTIONAL MONOCLONAL ANTIBODY IN TRANSGENIC NICOTIANA TABACUM," Plant Molecular Biology 15: 281-294 (1990)	
	C68	Elrod-Erickson et al., "ZIF268 PROTEIN-DNA COMPLEX REFINED AT 1.6: A MODEL SYSTEM FOR UNDERSTANDING ZINC FINGER-DNA INTERACTIONS," Structure 4(10): 1171-1180 (1996)	
	C69	Elrod-Erickson et al., "HIGH-RESOLUTION STRUCTURES OF VARIANT ZIF268-DNA COMPLEXES: IMPLICATIONS FOR UNDERSTANDING ZINC FINGER-DNA RECOGNITION," Structure 6(4): 451-464 (1998)	
	C70	Englbrecht, et al. "CONSERVATION, DIVERSIFICATION AND EXPANSION OF C2H2 ZINC FINGER PROTEINS IN THE ARABIDOPSIS THALIANA GENOME," BioMed Genomics 5:39 (2004).	
	C71	Evans, "THE v-erbA ONCOGENE IS A THYROID HORMONE RECEPTOR ANTAGONIST," Int. J. Cancer Suppl. 4: 26-28 (1989)	
	C72	Fairall et al., "THE CRYSTAL STRUCTURE OF A TWO ZINC-FINGER PEPTIDE REVEALS AN EXTENSION TO THE RULES FOR ZINC-FINGER/ DNA RECOGNITION," Nature 366: 483-487 (1993)	
	C73	Fields et al., "A NOVEL GENETIC SYSTEM TO DETECT PROTEIN-PROTEIN INTERACTIONS," Nature 340:245-246 (1989)	
	C74	Frankel et al., "FINGERING TOO MANY PROTEINS," Cell 53: 675 (1988)	
	C75	Friesen et al., "PHAGE DISPLAY OF RNA BINDING ZINC FINGERS FROM TRANSCRIPTION FACTOR IIIA," J. Biological Chem. 272(17): 10994-10997 (1997)	
↓	C76	Friesen et al., "SPECIFIC RNA BINDING PROTEINS CONSTRUCTED FROM ZINC FINGERS," Nature Structural Biology 5(7): 543-546 (1998)	
	C77	Fromm et al., "EXPRESSION OF GENES TRANSFERRED INTO MONOCOT AND DICOT PLANT CELLS BY ELECTROPORATION," Proc. Nat. Acad. Sci. USA 82:5824-5828 (1985)	

Examiner Signature	<i> Cynthia Collins </i>	Date Considered	8/17/05
--------------------	--------------------------	-----------------	---------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number.

¹ Applicant is to place a check mark here if English language Translation attached.

Please type a plus sign (+) inside this box →



PTO/SB/08A (08-00)

Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)			<i>Complete if Known</i>		
			Application Number	10/055,713	
			Filing Date	Jan. 22, 2002	
			First Named Inventor	Jamieson et al.	
			Group Art Unit	1645	
			Examiner Name		
Sheet	10	of	25	Attorney Docket Number	8325-0026

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ¹
cc	C78	Ghosh, "A RELATIONAL DATABASE OF TRANSCRIPTION FACTORS," Nucleic Acids Res. 18: 1749-1756 (1990)	
	C79	Gilleman et al., "ALTERED DNA BINDING SPECIFICITY MUTANTS OF EKLF AND SP1 SHOW THAT EKLF IS AN ACTIVATOR OF THE B-GLOBIN LOCUS CONTROL REGION IN VIVO," Genes and Development 12: 2863-2873 (1998)	
	C80	Goff et al., "TRANSACTIVATION OF ANTHOCYANIN BIOSYNTHETIC GENES FOLLOWING TRANSFER OF B REGULATORY GENES INTO MAIZE TISSUES," EMBO J. 9:2517-2522 (1990)	
	C81	Goff et al., "IDENTIFICATION OF FUNCTIONAL DOMAINS IN THE MAIZE TRANSCRIPTIONAL ACTIVATOR C1: COMPARISON OF WILD-TYPE AND DOMINANT INHIBITOR PROTEINS," Genes Dev. 5:298-309 (1991)	
	C82	Gogos et al., "RECOGNITION OF DIVERSE SEQUENCES BY CLASS I ZINC FINGERS: ASYMMETRIES AND INDIRECT EFFECTS ON SPECIFICITY IN THE INTERACTION BETWEEN CF2II AND A+T-RICH SEQUENCE ELEMENTS," PNAS 93(5): 2159-2164 (1996)	
	C83	Gong et al., "A CONSTITUTIVELY EXPRESSED Myc-LIKE GENE INVOLVED IN ANTHOCYANIN BIOSYNTHESIS FROM PERILLA FRUTESCENS: MOLECULAR CHARACTERIZATION, HETEROLOGOUS EXPRESSION PLANTS AND TRANSACTIVATION IN YEAST CELLS," Plant Mol. Biol. 41:33-44 (1999)	
	C84	Gordon-Kamm et al., "TRANSFORMATION OF MAIZE CELLS AND REGENERATION OF FERTILE TRANSGENIC PLANTS," Plant Cell 2: 603-618 (1990)	
	C85	Gossen et al., "TIGHT CONTROL OF GENE EXPRESSION IN MAMMALIAN CELLS BY TETRACYCLINE-RESPONSIVE PROMOTERS," PNAS 89:5547-5551 (1992)	
	C86	Greisman et al., "A GENERAL STRATEGY FOR SELECTING HIGH-AFFINITY ZINC FINGER PROTEINS FOR DIVERSE DNA TARGET SITES," Science 275: 657-661 (1997)	
	C87	Grierson and Corey, Plant Molecular Biology, 2d Ed., Blackie, London, Ch. 7-9 (1988)	
	C88	Gurley et al., "UPSTREAM SEQUENCES REQUIRED FOR EFFICIENT EXPRESSION OF A SOYBEAN HEAT SHOCK GENE," Molecular and Cellular Biology 6:559-565 (1986)	
✓	C89	Hagmann et al., "THE VP16 PARADOX: HERPES SIMPLEX VIRUS VP16 CONTAINS A LONG-RANGE ACTIVATION DOMAIN BUT WITHIN THE NATURAL MULTIPROTEIN COMPLEX ACTIVATES ONLY FROM PROMOTER-PROXIMAL POSITIONS," J. Virol. 71: 5952-5962 (1997)	

Examiner Signature	<i>Carthia Collins</i>	Date Considered	8/17/05
--------------------	------------------------	-----------------	---------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number.

¹ Applicant is to place a check mark here if English language Translation attached.

Please type a plus sign (+) inside this box →

+

PTO/SB/08A (08-00)

Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)			<i>Complete if Known</i>		
			Application Number	10/055,713	
			Filing Date	Jan. 22, 2002	
			First Named Inventor	Jamieson et al.	
			Group Art Unit	1645	
			Examiner Name		
Sheet	11	of	25	Attorney Docket Number	8325-0026

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS				
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ¹	
cc	C90	Hall et al., "FUNCTIONAL INTERACTION BETWEEN THE TWO ZINC FINGER DOMAINS OF THE V-ERBA ONCOPROTEIN," Cell Growth & Differentiation 3: 207-216 (1992)		
	C91	Hamilton et al., "HIGH AFFINITY BINDING SITES FOR THE WILMS' TUMOR SUPPRESSOR PROTEIN WT1," Nuc. Acids. Res. 23(2): 277-284 (1995)		
	C92	Hamilton et al., "COMPARISON OF THE DNA BINDING CHARACTERISTICS OF THE RELATED ZINC FINGER PROTEINS WT1 AND EGR1" Biochemistry 37: 2051-2058 (1998)		
	C93	Hanas et al., "INTERNAL DELETION MUTANTS OF XENOPUS TRANSCRIPTION FACTOR IIIA," Nuc. Acids. Res. 17(23): 9861-9870 (1989)		
	C94	Hayes et al., "LOCATIONS OF CONTACTS BETWEEN INDIVIDUAL ZINC FINGERS XENOPUS LAEVIS TRANSCRIPTION FACTOR IIIA AND THE INTERNAL CONTROL REGION OF A 5S RNA GENE," Biochemistry 31: 11600-11605 (1992)		
	C95	Hein M B et al., "EVALUATION OF IMMUNOGLOBULINS FROM PLANT CELLS," Biotechnology Progress 7: 455-461 (1991)		
	C96	Heinzel et al., "A COMPLEX CONTAINING N-CoR, Msin3 AND HISTONE DEACETYLASE MEDIATES TRANSCRIPTIONAL REPRESSION," Nature 387: 43-48 (1997)		
	C97	Hendrich et al., "GENOMIC STRUCTURE AND CHROMOSOMAL MAPPING OF THE MURINE AND HUMAN Mdb1, Mdb2, Mdb3, AND Mdb4 GENES," Mamm Genome 10:906-912 for description of MBD proteins (1999)		
	C98	Hermalsteen et al., "AN AGROBACTERIUM-TRANSFORMED CELL CULTURE FROM THE MONOCOT ASPARAGUS OFFICINALIS," EMBO J 3:3039-3041 (1984)		
	C99	Hiatt A et al., "MONOCLONAL ANTIBODY ENGINEERING IN PLANTS," FEBS Letters 307:71-75 (1992)		
↓	C100	Hinchee et al., "PRODUCTION OF TRANSGENIC SOYBEAN PLANTS USING AGROBACTERIUM-MEDIATED DNA TRANSFER," Biotechnology 6:915-921 (1988)		
	C101	Hirst et al., "DISCRIMINATION OF DNA RESPONSE ELEMENTS FOR THYROID HORMONE AND ESTROGEN IS DEPENDENT ON DIMERIZATION OF RECEPTOR DNA BINDING DOMAINS," PNAS 89: 5527-5531 (1992)		

Examiner Signature	<i>Christina Collins</i>	Date Considered	8/17/05
--------------------	--------------------------	-----------------	---------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number.

¹ Applicant is to place a check mark here if English language Translation attached.

Please type a plus sign (+) inside this box → +

PTO/SB/08A (08-00)

Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>			Complete if Known	
			Application Number	10/055,713
			Filing Date	Jan. 22, 2002
			First Named Inventor	Jamieson et al.
			Group Art Unit	1645
			Examiner Name	
Sheet	12	of	25	Attorney Docket Number 8325-0026

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS				
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.		T ¹
CC	C102	Hobo et al., "A BZIP FACTOR, TRAB1, INTERACTS WITH VP1 AND MEDIATES ABSCISIC ACID-INDUCED TRANSCRIPTION," Proc. Natl. Acad. Sci. USA 96:15,348-15,353 (1999)		
	C103	Hoffman et al., "STRUCTURES OF DNA-BINDING MUTANT ZINC FINGER DOMAINS: IMPLICATIONS FOR DNA BINDING," Protein Science 2: 951-965 (1993)		
	C104	Horsch et al., "A SIMPLE AND GENERAL METHOD FOR TRANSFERRING GENES TO PLANTS," Science 227:1229-1231 (1985)		
	C105	Imhof et al., "TRANSCRIPTIONAL REGULATION OF THE AP-2ALPHA PROMOTER BY BTEB-1 AND AP-2REP, a Novel WT-1/EGR-RELATED ZINC FINGER REPRESSOR," Molecular and Cellular Biology 19(1): 194-204 (1999)		
	C106	Ishiwatari et al., "RICE PHLOEM THIOREDOXIN h HAS THE CAPACITY TO MEDIATE ITS OWN CELL-TO-CELL TRANSPORT THROUGH PLASMODESMATA," Planta 205:12-22 (1998)		
	C107	Isalan et al., "SYNERGY BETWEEN ADJACENT ZINC FINGERS IN SEQUENCE-SPECIFIC DNA RECOGNITION," PNAS 94(11): 5617-5621 (1997)		
	C108	Isalan et al., "COMPREHENSIVE DNA RECOGNITION THROUGH CONCERTED INTERACTIONS FROM ADJACENT ZINC FINGERS," Biochemistry 37: 12026-12033 (1998)		
	C109	Jacobs, G. H., "DETERMINATION OF THE BASE RECOGNITION POSITIONS OF ZINC FINGERS FROM SEQUENCE ANALYSIS," EMBO J. 11(12): 4507-4517 (1992)		
	C110	Jamieson et al., "A ZINC FINGER DIRECTORY FOR HIGH-AFFINITY DNA RECOGNITION," PNAS 93: 12834-12839 (1996)		
	C111	Jamieson et al., "IN VITRO SELECTION OF ZINC FINGERS WITH ALTERED DNA-BINDING SPECIFICITY" Biochemistry 33: 5689-5695 (1994)		
	C112	Jefferson, "ASAYING CHIMERIC GENES IN PLANTS: THE GUS GENE FUSION SYSTEM," Plant Molec Biol. Rep 5:387-405, (1987)		
✓	C113	Jiang et al., "A NOVEL FAMILY OF CYS-CYS, HIS-CYS ZINC FINGER TRANSCRIPTION FACTORS EXPRESSED IN DEVELOPING NERVOUS SYSTEM AND PITUITARY GLAND," J. Biol. Chem. 271:10723-10730 (1996)		

Examiner Signature		Date Considered	8/17/05
--------------------	--	-----------------	---------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number.

¹ Applicant is to place a check mark here if English language Translation attached.

Please type a plus sign (+) inside this box →



PTO/SB/08A (08-00)

Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Complete if Known	
				Application Number	10/055,713
				Filing Date	Jan. 22, 2002
				First Named Inventor	Jamieson et al.
				Group Art Unit	1645
				Examiner Name	
Sheet	13	of	25	Attorney Docket Number	8325-0026

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ¹
ce	C114	Jones et al., "REPLACING THE COMPLEMENTARITY-DETERMINING REGIONS IN A HUMAN ANTIBODY WITH THOSE FROM MOUSE," Nature 321: 522-525 (1986)	
	C115	Joung et al., "A BACTERIAL TWO-HYBRID SELECTION SYSTEM FOR STUDYING PROTEIN-DNA AND PROTEIN-PROTEIN INTERACTIONS," Proc. Natl. Acad. Sci. USA 97:7382-7387 (2000)	
	C116	Julian et al., "REPLACEMENT OF HIS23 BY CYS IN A ZINC FINGER OF HIV-1NCP7 LED TO A CHANGE IN 1H NMR-DERIVED 3D STRUCTURE AND TO A LOSS OF BIOLOGICAL ACTIVITY," FEBS Letters 331(1,2): 43-48 (1993)	
	C117	Kaeppeler et al., "SILICON CARBIDE FIBER-MEDIATED DNA DELIVERY INTO PLANT CELLS," Plant Cell Reporter 9:415-418 (1990)	
	C118	Kamiuchi et al., "NEW MULTI ZINC FINGER PROTEIN: BIOSYNTHETIC DESIGN AND CHARACTERISTICS OF DNA RECOGNITION," Nucleic Acids Symposium Series 37: 153-154 (1997)	
	C119	Kang et al., "ZINC FINGER PROTEINS AS DESIGNER TRANSCRIPTION FACTORS," J. Biol. Chem. 275(12): 8742-8748 (2000)	
	C120	Kay et al., "DUPLICATION OF CaMV 35S PROMOTER SEQUENCES CREATES A STRONG ENHANCER FOR PLANT GENES," Science 236:1299 (1987)	
	C121	Kim et al., "SERINE AT POSITION 2 IN THE DNA RECOGNITION HELIX OF A CYS2-HIS2 ZINC FINGER PEPTIDE IS NOT, IN GENERAL, RESPONSIBLE FOR BASE RECOGNITION," J. Mol. Biol. 252: 1-5 (1995)	
	C122	Kim et al., "A 2.2 Å RESOLUTION CRYSTAL STRUCTURE OF A DESIGNED ZINC FINGER PROTEIN BOUND TO DNA," Nat. Struct. Biol. 3(11): 940-945 (1996)	
	C123	Kim et al., "DESIGN OF TATA BOX-BINDING PROTEIN/ZINC FINGER FUSIONS FOR TARGETED REGULATION OF GENE EXPRESSION," PNAS 94: 3616-3620 (1997)	
	C124	Kim et al., "HYBRID RESTRICTION ENZYMES: ZINC FINGER FUSIONS FOK I CLEAVAGE DOMAIN," PNAS 93: 1156-1160 (1996)	
✓	C125	Kim et al., "TRANSCRIPTIONAL REPRESSION BY ZINC FINGER PEPTIDES. EXPLORING THE POTENTIAL FOR APPLICATION IN GENE THERAPY" J. Biol. Chem. 272: 29795-29800 (1997)	

Examiner Signature	<i>Cynthia Allen</i>	Date Considered	8/17/05
--------------------	----------------------	-----------------	---------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number.

¹ Applicant is to place a check mark here if English language Translation attached.

Please type a plus sign (+) inside this box →



PTO/SB/08A (08-00)

Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				<i>Complete if Known</i>	
				Application Number	10/055,713
				Filing Date	Jan. 22, 2002
				First Named Inventor	Jamieson et al.
				Group Art Unit	1645
				Examiner Name	
Sheet	14	of	25	Attorney Docket Number	8325-0026

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS				
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ¹	
CC	C126	Kim et al., "GETTING A HANDHOLD ON DNA: DESIGN OF POLY-ZINC FINGER PROTEINS WITH FEMTOMOLAR DISSOCIATION CONSTANTS," PNAS 95: 2812-2817 (1998)		
	C127	Kinzler et al., "THE GLI GENE IS A MEMBER OF THE KRUPPEL FAMILY OF ZINC FINGER PROTEINS," Nature 332: 371-374 (1988)		
	C128	Klein et al., "TRANSFER OF FOREIGN GENES INTO INTACT MAIZE CELLS WITH HIGH-VELOCITY MICROPROJECTILES," Proc. Nat. Acad. Sci. USA 85:4305-4309 (1983)		
	C129	Klug, A. "GENE REGULATORY PROTEINS AND THEIR INTERACTION WITH DNA," Ann. NY Acad. Sci. 758: 143-160 (1995)		
	C130	Klug, "ZINC FINGER PEPTIDES FOR THE REGULATION OF GENE EXPRESSION," J. Mol. Biol. 293: 215-218 (1999)		
	C131	Knoepfner et al., "SIN MEETS NURD AND OTHER TAILS OF REPRESSION," Cell 99: 447-450 (1999)		
	C132	Kothekar, "COMPUTER SIMULATION OF ZINC FINGER MOTIFS FROM CELLULAR NUCLEIC ACID BINDING PROTEINS AND THEIR INTERACTION WITH CONSENSUS DNA SEQUENCES," FEBS Letters 274(1,2): 217-222 (1990)		
	C133	Kriwacki et al., "SEQUENCE-SPECIFIC RECOGNITION OF DNA BY ZINC FINGER PEPTIDES DERIVED FROM THE TRANSCRIPTION FACTOR SP-1," PNAS 89: 9759-9763 (1992)		
	C134	Kudla et al., "THE REGULATORY GENE AREA MEDIATING NITROGEN METABOLITE R IN ASPERGILLUS NIDULANS MUTATIONS AFFECTING SPECIFICITY OF GENE ACTIVATION ALTER A LOOP RESIDUE OF PUTATIVE ZINC FINGER," EMBO J. 9(5): 1355-1364 (1990)		
	C135	Laird-Offringa et al., "RNA-BINDING PROTEINS TAMED," Nat. Structural Biol. 5(8): 665-668 (1998)		
✓	C136	Lemon et al., "NUCLEAR RECEPTOR COFACTORS AS CHROMATIN REMODELERS," Curr. Opin. Genet. Dev. 9:499-504 (1999)		

Examiner Signature	<i>Antonia Palen</i>	Date Considered	8/17/05
--------------------	----------------------	-----------------	---------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number.

¹ Applicant is to place a check mark here if English language Translation attached.

Please type a plus sign (+) inside this box →



PTO/SB/08A (08-00)

Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		<i>Complete if Known</i>			
		Application Number	10/055,713		
		Filing Date	Jan. 22, 2002		
		First Named Inventor	Jamieson et al.		
		Group Art Unit	1645		
		Examiner Name			
Sheet	15	of	25	Attorney Docket Number	8325-0026

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog; etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ¹
CC ↓	C137	Leo et al., "THE SRC FAMILY OF NUCLEAR RECEPTOR COACTIVATORS," Gene 245:1-11 (2000)	
	C138	Liu et al., "SUPPRESSION OF GROWTH AND TRANSFORMATION AND INDUCTION OF APOPTOSIS BY EGR-1," Cancer Gene Ther. 5:3-28 (1998)	
	C139	Liu et al., "DESIGN OF POLYDACTYL ZINC-FINGER PROTEINS FOR UNIQUE ADDRESSING WITHIN COMPLEX GENOMES," PNAS 94: 5525-5530 (1997)	
	C140	Liu et al., "TRANSCRIPTION FACTOR EGR-1 SUPPRESSES THE GROWTH AND TRANSFORMATION OF HUMAN HT-1080 FIBROSARCOMA CELLS BY INDUCTION OF TRANSFORMING GROWTH FACTOR BETA 1," PNAS 93(21): 11831-11836 (1996)	
	C141	Liu et al., "REGULATION OF AN ENDOGENOUS LOCUS USING A PANEL OF DESIGNED ZINC FINGER PROTEINS TARGETED TO ACCESSIBLE CHROMATIN REGIONS: ACTIVATION OF VASCULAR ENDOTHELIAL GROWTH FACTOR A," Journal of Biological Chemistry 276(14): 11323-11334 (2001)	
	C142	Ma, "ASSEMBLY OF MONOCLONAL ANTIBODIES WITH IgG1 AND IgA HEAVY CHAIN DOMAINS IN TRANSGENIC TOBACCO PLANTS," J K C et al., Eur J Immunology 24: 131-138 (1994)	
	C143	Malik et al., "TRANSCRIPTIONAL REGULATION THROUGH MEDIATOR-LIKE COACTIVATORS IN YEAST AND METAZOAN CELLS," Trends Biochem. Sci. 25:277-283 (2000)	
	C144	Mandel-Gutfreund et al., "QUANTITATIVE PARAMETERS FOR AMINO ACID-BASE INTERACTION: IMPLICATIONS FOR PREDICATION OF PROTEIN-DNA BINDING SITES," Nuc. Acids Res. 26(10): 2306-2312 (1998)	
	C145	Manteuffel-Cymborowska, "NUCLEAR RECEPTORS, THEIR COACTIVATORS AND MODULATION OF TRANSCRIPTION," Acta Biochim. Pol. 46:77-89 (1999)	
	C146	Margolin et al., "KRUPPEL-ASSOCIATED BOXES ARE POTENT TRANSCRIPTIONAL REPRESSION DOMAINS," PNAS 91: 4509-4513 (1994)	
	C147	McElroy et al., "ISOLATION OF AN EFFICIENT ACTIN PROMOTER FOR USE IN RICE TRANSFORMATION," Plant Cell 2:163-171;(1990)	

Examiner Signature	<i>Cynthia [Signature]</i>	Date Considered	8/17/05
--------------------	----------------------------	-----------------	---------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number.

¹ Applicant is to place a check mark here if English language Translation attached.

Please type a plus sign (+) inside this box →



PTO/SB/08A (08-00)

Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)			<i>Complete if Known</i>		
			Application Number	10/055,713	
			Filing Date	Jan. 22, 2002	
			First Named Inventor	Jamieson et al.	
			Group Art Unit	1645	
			Examiner Name		
Sheet	16	of	25	Attorney Docket Number	8325-0026

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ¹
	C148	McKenna et al., "NUCLEAR RECEPTOR COACTIVATORS: MULTIPLE ENZYMES, MULTIPLE COMPLEXES, MULTIPLE FUNCTIONS," J. Steroid Biochem. Mol. Biol. 69:3-12 (1999)	
	C149	Medberry et al., "INSTRUCTIONS TO AUTHORS: PLANT MOLECULAR BIOLOGY REPORTER," Plant Cell 4:195-192 (1992)	
	C150	Miller et al., "REPETITIVE ZINC-BINDING DOMAINS IN THE PROTEIN TRANSCRIPTION FACTOR IIIA FROM XENOPUS OOCYTES," EMBO J. 4:1609-1614 (1985)	
	C151	Mistili & Spector, "APPLICATIONS OF THE GREEN FLOURESCENT PROTEIN IN CELL BIOLOGY AND BIOTECHNOLOGY," Nature Biotechnology 15:961-964 (1997)	
	C152	Mizushima et al., "PEF-BOS, A POWERFUL MAMMILIAN EXPRESSION VECTOR," Nuc. Acids. Res. 18(17): 5322 (1990)	
	C153	Morrison, "TRANSFORMATION IN ESCHERICHIA COLI: CRYOGENIC PRESERVATION OF COMPETENT CELLS," J. Bacteriol. 132: 349-351 (1977)	
	C154	Mukhopadhyay et al., "THE VON HIPPEL-LINDAU TUMOR SUPPRESSOR GENE PRODUCT INTERACTS WITH SP1 TO REPRESS VASCULAR ENDOTHELIAL GROWTH FACTOR PROMOTER ACTIVITY" Mol. Cell. Biol. 17(9): 5629-5639 (1997)	
	C155	Muller-Rober et al., "ONE OF TWO DIFFERENT ADP-GLUCOSE PYROPHOSPHORYLASE GENES FROM POTATO RESPONDS STRONGLY TO ELEVATED LEVELS OF SUCROSE," Mol. Gen. Genet. 224: 136-46 (1990)	
	C156	Nakagama et al., "SEQUENCE AND STRUCTURAL REQUIREMENTS FOR HIGH-AFFINITY DNA BINDING BY THE WT1 GENE PRODUCT," Molecular and Cellular Biology 15(3): 1489-1498 (1995)	
	C157	Nardelli et al., "ZINC FINGER-DNA RECOGNITION: ANALYSIS OF BASE SPECIFICITY BY SITE-DIRECTED MUTAGENESIS," Nucleic Acids Research 20(16): 4137-4144 (1992)	
	C158	Nardelli et al., "BASE SEQUENCE DISCRIMINATION BY ZINC-FINGER DNA-BINDING DOMAINS," Nature 349: 175-178 (1991)	
	C159	Nasim et al., "EUKARYOTIC SELENOCYSTEINE INCORPORATION FOLLOWS A NONPROCESSIVE MECHANISM THAT COMPETES WITH TRANSLATIONAL TERMINATION," J. Biol. Chem. 275:14,846-14,852 (2000)	

Examiner Signature		Date Considered	8/17/05
--------------------	--	-----------------	---------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number.

¹ Applicant is to place a check mark here if English language Translation attached.

Please type a plus sign (+) inside this box →

+

PTO/SB/08A (08-00)

Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		<i>Complete if Known</i>			
		Application Number	10/055,713		
		Filing Date	Jan. 22, 2002		
		First Named Inventor	Jamieson et al.		
		Group Art Unit	1645		
		Examiner Name			
Sheet	17	of	25	Attorney Docket Number	8325-0026

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ¹
CC	C160	Neering et al., "TRANSDUCTION OF PRIMITIVE HUMAN HEMATOPOIETIC CELLS WITH RECOMBINANT ADENOVIRUS VECTORS," Blood 88:1147-1155 (1996)	
	C161	Nekludova et al., "DISTINCTIVE DNA CONFORMATION WITH ENLARGED MAJOR GROOVE IS FOUND IN ZN-FINGER-DNA AND OTHER PROTEIN-DNA COMPLEXES," PNAS 91: 6948-6952 (1994)	
	C162	Ogawa et al., "RICE GIBBERELLIN-INSENSITIVE GENE HOMOLOG, OsGAI, ENCODES A NUCLEAR-LOCALIZED PROTEIN CAPABLE OF GENE ACTIVATION AT TRANSCRIPTIONAL LEVEL," Gene 245:21-29 (2000)	
	C163	Okanami et al., HALF-1 A bZIP-TYPE PROTEIN, INTERACTING WITH THE WHEAT TRANSCRIPTION FACTOR HBP-1A CONTAINS A NOVEL TRANSCRIPTIONAL ACTIVATION DOMAIN," Genes Cells 1:87-99 (1996)	
	C164	Oligino et al., "DRUG INDUCIBLE TRANSGENE EXPRESSION IN BRAIN USING A HERPES SIMPLEX VIRUS VECTOR," Gene Ther. 5:491-496 (1998)	
	C165	Oparka et al., Plant J. 12: 781-789 (1997)	
	C166	Orkin et al., "REPORT AND RECOMMENDATIONS OF THE PANEL TO ASSESS THE NIH INVESTMENT IN RESEARCH ON GENE THERAPY," (Dec. 7, 1995)	
	C167	Ow et al., "TRANSIENT AND STABLE EXPRESSION OF THE FIREFLY LUCIFERASE GENE IN PLANT CELLS AND TRANSGENIC PLANTS," Science 234:856-859 (1986)	
	C168	Pabo et al., "SYSTEMATIC ANALYSIS OF POSSIBLE HYDROGEN BONDS BETWEEN AMINO ACID SIDE CHAINS AND B-FORM DNA," J. Biomolecular Struct. Dynamics 1: 1039-1049 (1983)	
	C169	Pabo et al., PROTEIN-DNA RECOGNITION," Ann. Rev. Biochem. 53: 293-321 (1984)	
	C170	Pabo, C.O., "TRANSCRIPTION FACTORS: STRUCTURAL FAMILIES AND PRINCIPLES OF DNA RECOGNITION," Ann. Rev. Biochem. 61: 1053-1095 (1992)	
✓	C171	Pain et al., "THE CARBONIC ANHYDRASE II GENE, A GENE REGULATED BY THYROID HORMONE AND ERYTHROPOIETIN, IS REPRESSED BY v-crbA ONCOGENE IN ERYTHROCYTIC CELLS," New Biol. 2:284-294 (1990)	

Examiner Signature	<i>Christina [Signature]</i>	Date Considered	8/17/05
--------------------	------------------------------	-----------------	---------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number.

¹ Applicant is to place a check mark here if English language Translation attached.

Please type a plus sign (+) inside this box →

+

PTO/SB/08A (08-00)

Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		<i>Complete if Known</i>			
		Application Number	10/055,713		
		Filing Date	Jan. 22, 2002		
		First Named Inventor	Jamieson et al.		
		Group Art Unit	1645		
		Examiner Name			
Sheet	18	of	25	Attorney Docket Number	8325-0026

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ¹
cc	C172	Palva et al., "SECRETION OF INTERFERON BY BACILLUS SUBTILIS," Gene 22:229-235 (1983)	
	C173	Paszowski et al., "DIRECT GENE TRANSFER TO PLANTS," EMBO J 3: 2717-2722 (1984)	
	C174	Pavletich et al., "CRYSTAL STRUCTURE OF A FIVE-FINGER GLI-DNA COMPLEX: NEW PERSPECTIVES ON ZINC FINGERS," Science, 261: 1701-1707 (1993)	
	C175	Pavletich et al., "ZINC FINGER-DNA RECOGNITION: CRYSTAL STRUCTURE OF A ZIF268-DNA COMPLEX AT 2.1 Å," Science 252: 809-817 (1991)	
	C176	Pedersen et al., "CLONING AND SEQUENCE ANALYSIS REVEAL STRUCTURAL VARIATION AMONG RELATED ZEIN GENES IN MAIZE," Cell 29: 1015-1026 (1982)	
	C177	Pengue et al., "REPRESSION OF TRANSCRIPTIONAL ACTIVITY AT A DISTANCE BY THE EVOLUTIONARILY CONSERVED KRAB DOMAIN PRESENT IN A SUBFAMILY OF ZINC FINGER PROTEINS," Nuc. Acids Res. 22(15): 2908-2914 (1994)	
	C178	Pengue et al., "TRANSCRIPTIONAL SILENCING OF HUMAN IMMUNODEFICIENCY VIRUS TYPE 1 LONG TERMINAL REPEAT-DRIVEN GENE EXPRESSION BY THE KRUPPEL-ASSOCIATED BOX REPRESSOR DOMAIN TARGETED TO THE TRANSACTIVATING RESPONSE ELEMENT," J. Virology 69(10): 6577-6580 (1995)	
	C179	Pengue et al., "KRUPPEL-ASSOCIATED BOX-MEDIATED REPRESSION OF RNA POLYMERASE II PROMOTERS IS INFLUENCED BY THE ARRANGEMENT OF BASAL PROMOTER ELEMENTS," PNAS 93: 1015-1020 (1996)	
	C180	Pina et al., "NUCLEOSOME POSITIONING MODULATES ACCESSIBILITY OF REGULATORY PROTEINS TO THE MOUSE MAMMARY TUMOR VIRUS PROMOTER," Cell 60:719-731 (1990)	
	C181	Pomerantz et al., "ANALYSIS OF HOMEODOMAIN FUNCTION BY STRUCTURE-BASED DESIGN OF A TRANSCRIPTION FACTOR," PNAS 92: 9752-9756 (1995)	
✓	C182	Pomerantz et al., "STRUCTURE-BASED DESIGN OF A DIMERIC ZINC FINGER PROTEIN," Biochemistry 37(4): 965-970 (1998)	

Examiner Signature	<i>Christina Allen</i>	Date Considered	8/17/05
--------------------	------------------------	-----------------	---------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number.

¹ Applicant is to place a check mark here if English language Translation attached.

Please type a plus sign (+) inside this box →



PTO/SB/08A (08-00)

Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		<i>Complete if Known</i>	
		Application Number	10/055,713
		Filing Date	Jan. 22, 2002
		First Named Inventor	Jamieson et al.
		Group Art Unit	1645
Examiner Name			
Sheet 19 of 25	Attorney Docket Number		8325-0026

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ¹
EC	C183	Pomerantz et al., "STRUCTURE-BASED DESIGN OF TRANSCRIPTION FACTORS," Science 267: 93-96 (1995)	
	C184	Potrykus et al., "MOLECULAR AND GENERAL GENETICS OF A HYBRID FOREIGN GENE INTRODUCED INTO TOBACCO BY DIRECT GENE TRANSFER," Molec. Gen. Genet. 199:169-177 (1985)	
	C185	Qian et al., "TWO-DIMENSIONAL NMR STUDIES OF THE ZINC FINGER MOTIF: SOLUTION STRUCTURES AND DYNAMICS OF MUTANT ZFY DOMAINS CONTAINING AROMATIC SUBSTITUTIONS IN THE HYDROPHOBIC CORE," Biochemistry 31: 7463-7476 (1992)	
	C186	Quigley et al., "COMPLETE ANDROGEN INSENSITIVITY DUE TO DELETION OF EXON C OF THE ANDROGEN RECEPTOR GENE HIGHLIGHTS THE FUNCTIONAL IMPORTANCE OF THE SECOND ZINC FINGER OF THE ANDROGEN RECEPTOR IN VIVO," Molecular Endocrinology 6(7): 1103-1112 (1992)	
	C187	Rauscher et al., "BINDING OF THE WILMS' TUMOR LOCUS ZINC FINGER PROTEIN TO THE EGR-1 CONSENSUS SEQUENCE," Science 250: 1259-1262 (1990)	
	C188	Ray et al., "REPRESSOR TO ACTIVATOR SWITCH BY MUTATIONS IN THE FIRST ZN FINGER OF THE GLUCOCORTICOID RECEPTOR: IS DIRECT DNA BINDING NECESSARY?" PNAS 88: 7086-7090 (1991)	
	C189	Rebar et al., "PHAGE DISPLAY METHODS FOR SELECTING ZINC FINGER PROTEINS WITH NOVEL DNA-BINDING SPECIFICITIES," Methods in Enzymology 267: 129-149 (1996)	
	C190	Rebar et al., "ZINC FINGER PHAGE: AFFINITY SELECTION OF FINGERS WITH NEW DNA-BINDING SPECIFIES," Science 263: 671-673 (1994)	
	C191	Reith et al., "CLONING OF THE MAJOR HISTOCOMPATIBILITY COMPLEX CLASS II PROMOTER BINDING PROTEIN AFFECTED IN A HEREDITARY DEFECT IN CLASS II GENE REGULATION," PNAS 86: 4200-4204 (1989)	
	C192	Rendahl et al., "REGULATION OF GENE EXPRESSION IN VIVO FOLLOWING TRANSDUCTION BY TWO SEPARATE RAAV VECTORS," Nat. Biotechnol. 16:757-761 (1998)	
	C193	Rhodes et al., "ZINC FINGERS: THEY PLAY A KEY PART IN REGULATING THE ACTIVITY OF GENES IN MANY SPECIES, FROM YEAST TO HUMANS. FEWER THAN 10 YEARS AGO NO ONE KNEW THEY EXISTED." Scientific American 268:L 56-65 (1993)	
✓	C194	Rice et al., "INHIBITORS OF HIV NUCLEOCAPSID PROTEIN ZINC FINGERS AS CANDIDATES FOR THE TREATMENT OF AIDS," Science 270: 1194-1197 (1995)	

Examiner Signature		Date Considered	8/17/05
--------------------	--	-----------------	---------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.


¹ Unique citation designation number.

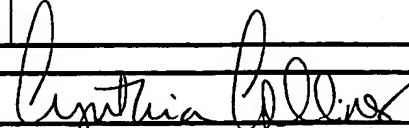
¹ Applicant is to place a check mark here if English language Translation attached.

Please type a plus sign (+) inside this box → +

PTO/SB/08A (08-00)

Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Complete if Known	
				Application Number	10/055,713
				Filing Date	Jan. 22, 2002
				First Named Inventor	Jamieson et al.
				Group Art Unit	1645
				Examiner Name	
Sheet	20	of	25	Attorney Docket Number	8325-0026

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS				
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ¹	
	C195	Riggs et al., "STABLE TRANSFORMATION OF TOBACCO BY ELECTROPORATION: EVIDENCE FOR PLASMID CONCATENATION," Proc. Natl. Acad. Sci USA 83:5602-5606 (1986)		
	C196	Rivera et al., "A HUMANIZED SYSTEM FOR PHARMACOLOGIC CONTROL OF GENE EXPRESSION," Nature Medicine 2(9): 1028-1032 (1996)		
	C197	Robertson et al., "DNMT1 FORMS A COMPLEX WITH Rb, E2F1 AND HDAC1 AND REPRESSSES TRANSCRIPTION FROM E2F-RESPONSIVE PROMOTERS," Nature Genet. 25:338-342 (2000)		
	C198	Robyr et al., "NUCLEAR HORMONE RECEPTOR COREGULATORS IN ACTION: DIVERSITY FOR SHARED TASKS," Mol. Endocrinol. 14:329-347 (2000)		
	C199	Rogers et al., "GENE TRANSFER IN PLANTS: PRODUCTION OF TRANSFORMED PLANTS USING Ti PLASMID VECTORS," Methods Enzymol. 118:627-641 (1986)		
	C200	Rollins et al., "ROLE OF TFIIIA ZINC FINGERS IN VIVO: ANALYSIS OF SINGLE-FINGER FUNCTION IN DEVELOPING XENOPUS EMBRYOS," Molecular Cellular Biology 13(8): 4776-4783 (1993)		
	C201	Sadowski et al., "GAL4-VPI6 IS AN UNUSUALLY POTENT TRANSCRIPTIONAL ACTIVATOR," Nature 335: 563-568 (1988)		
	C202	Saleh et al., "A NOVEL ZINC FINGER GENE ON HUMAN CHROMOSOME 1 QTER THAT IS ALTERNATIVELY SPLICED IN HUMAN TISSUES AND CELL LINES," American Journal of Human Genetics 52: 192-203 (1993)		
	C203	Sanger et al., "CHARACTERISTICS OF A STRONG PROMOTER FROM FIGWORT MOSAIC VIRUS: COMPARISON WITH ANALOGOUS 35S PROMOTER FROM CAULIFLOWER MOSAIC VIRUS AND THE REGULATED MANNOPINE SYNTHASE PROMOTER," Plant Mol. Biol. 14:433-443 (1990)		
	C204	Sap et al., "REPRESSION OF TRANSCRIPTION MEDIATED AT A THYROID HORMONE RESPONSE ELEMENT BY THE v-erb-a ONCOGENE PRODUCT," Nature 340:242-244 (1989)		
	C205	Segal et al., "DESIGN OF NOVEL SEQUENCE SPECIFIC DNA-BINDING PROTEINS," Curr. Opin. Chem. Biol. 4:34-39 (2000)		

Examiner Signature		Date Considered	8/17/05
--------------------	-------------------------------------------------------------------------------------	-----------------	---------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number.

¹ Applicant is to place a check mark here if English language Translation attached.

Please type a plus sign (+) inside this box →



PTO/SB/08A (08-00)

Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		<i>Complete if Known</i>			
		Application Number	10/055,713		
		Filing Date	Jan. 22, 2002		
		First Named Inventor	Jamieson et al.		
		Group Art Unit	1645		
		Examiner Name			
Sheet	21	of	25	Attorney Docket Number	8325-0026

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ¹
CC	C205	Seipal et al., "DIFFERENT ACTIVATION DOMAINS STIMULATES TRANSCRIPTION FROM REMOTE ('ENHANCER') AND PROXIMAL ('PROMOTER') POSITIONS," EMBO J. 11, 4961-4968 (1992)	
	C206	Shi et al., "SPECIFIC DNA-RNA HYBRID BINDING BY ZINC FINGER PROTEINS," Science 268: 282-284 (1995)	
	C207	Shi et al., "DNA UNWINDING INDUCED BY ZINC FINGER PROTEIN BINDING," Biochemistry 35: 3845-3848 (1996)	
	C208	Shi et al., "A DIRECT COMPARISON OF THE PROPERTIES OF NATURAL AND DESIGNED FINGER PROTEINS," Chem. & Biol. 2(2): 83-89 (1995)	
	C209	Shimamoto, "FERTILE TRANSGENIC RICE PLANTS REGENERATED FROM TRANSFORMED PROTOPLASTS," Nature 338:274-276 (1989)	
	C210	Singh et al., "MOLECULAR CLONING OF AN ENHANCER BINDING PROTEIN: ISOLATION BY SCREENING OF AN EXPRESSION LIBRARY WITH A RECOGNITION SITE DNA," Cell 52: 415-423 (1988)	
	C211	Skerka et al., "COORDINATE EXPRESSION AND DISTINCT DNA-BINDING CHARACTERISTICS OF THE FOUR EGR-ZINC FINGER PROTEINS IN JURKAT T LYMPHOCYTES," Immunobiology 198: 179-191 (1997)	
	C212	South et al., "THE NUCLEOCAPSID PROTEIN ISOLATED FROM HIV-1 PARTICLES BINDS ZINC AND FORMS RETROVIRAL-TYPE ZINC FINGERS," Biochemistry 29: 7786-7789 (1990)	
	C213	Spengler et al., "REGULATION OF APOPTOSIS AND CELL CYCLE ARREST BY ZZC1, A NOVEL ZINC FINGER PROTEIN EXPRESSED IN THE PITUITARY GLAND AND THE BRAIN," EMBO J. 16(10): 2814-2825 (1997)	
	C214	Sprenger-Haussels et al., "TRANSACTIVATION PROPERTIES OF PARSLEY PROLINE-RICH BZIP TRANSCRIPTION FACTORS," Plant J. 22:1-8 (2000)	
	C215	Suzuki et al., "STEREOCHEMICAL BASIS OF DNA RECOGNITION BY ZN FINGERS," Nuc. Acids Res. 22(16): 3397-3405 (1994)	
	C216	Suzuki et al., "DNA RECOGNITION CODE OF TRANSCRIPTION FACTORS IN THE HELIX-TURN-HELIX, PROBE HELIX, HORMONE RECEPTOR, AND ZINC FINGER FAMILIES," PNAS 91: 12357-12361 (1994)	

Examiner Signature		Date Considered	8/17/05
--------------------	--	-----------------	---------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number.

¹ Applicant is to place a check mark here if English language Translation attached.

Please type a plus sign (+) inside this box → +

PTO/SB/08A (08-00)

Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>			Complete if Known	
	Application Number	10/055,713		
	Filing Date	Jan. 22, 2002		
	First Named Inventor	Jamieson et al.		
	Group Art Unit	1645		
	Examiner Name			
Sheet	22	of	25	Attorney Docket Number 8325-0026

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS				
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.		T ¹
cc	C217	Swain W F, "ANTIBODIES IN PLANTS," TIBTECH 9: 107-109 (1991)		
	C218	Swimoff et al, "DNA-BINDING SPECIFICITY OF NGFI-A AND RELATED ZINC FINGER TRANSCRIPTION FACTORS," Mol. Cell. Biol. 15(14): 2275-2287 (1995)		
	C219	Takamatsu et al., "EXPRESSION OF BACTERIAL CHLORAMPHENICOL ACETYLTRANSFERASE GENE IN TOBACCO PLANTS MEDIATED BY TMV-RNA," EMBO J. 6:307-311 (1987)		
	C220	Takatsuji, "A SINGLE AMINO ACID DETERMINES THE SPECIFICITY FOR THE TARGET SEQUENCE OF TWO ZINC-FINGER PROTEINS IN PLANTS," Biochem. Biophys. Res. Comm. 224:219-223 (1996)		
	C221	Takatsuji, "ZINC-FINGER PROTEINS: THE CLASSICAL ZINC FINGER EMERGES IN CONTEMPORARY PLANT SCIENCE," Plant Mol. Biol. 39:1073-1078 (1999)		
	C222	Taylor et al., "DESIGNING ZINC-FINGER ADRI MUTANTS WITH ALTERED SPECIFICITY OF DNA BINDING TO T IN UASI SEQUENCES," Biochemistry 34: 3222-3230 (1995)		
	C223	Thiesen et al., "AMINO ACID SUBSTITUTIONS IN THE SP1 ZINC FINGER DOMAIN ALTER THE DNA BINDING AFFINITY TO COGNATE SP1 TARGET SITE," Biochem. Biophys. Res. Communications 175(1): 333-338 (1991)		
	C224	Thiesen et al., "DETERMINATION OF DNA BINDING SPECIFICITIES OF MUTATED ZINC FINGER DOMAINS," FEBS letters 283(1): 23-26 (1991)		
	C225	Thiesen H. J. "FROM REPRESSION DOMAINS TO DESIGNER ZINC FINGER PROTEINS: A NOVEL STRATEGY FOR INTRACELLULAR IMMUNIZATION AGAINST HIV," Gene Expression 5: 229-243 (1996)		
	C226	Thiesen et al., "MULTIPLE GENES ENCODING ZINC FINGER DOMAINS ARE EXPRESSED IN HUMAN T CELLS," New Biologist 2, 363-374 (1990)		
✓	C227	Thukral et al., "LOCALIZATION OF A MINIMAL BINDING DOMAIN AND ACTIVATION REGIONS IN YEAST REGULATORY PROTEIN ADRI," Molecular Cellular Biology 9(6): 2360-2369 (1989)		
	C229	Thukral et al., "TWO MONOMERS OF YEAST TRANSCRIPTION FACTOR ADRI BIND A PALINDROMIC SEQUENCE SYMMETRICALLY TO ACTIVATE ADH2 EXPRESSION," Molecular Cellular Biol. 11(3): 1566-1577 (1991)		

Examiner Signature		Date Considered	8/17/05
---------------------------	--	------------------------	---------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number.

¹ Applicant is to place a check mark here if English language Translation attached.

Please type a plus sign (+) inside this box →



PTO/SB/08A (08-00)

Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Complete if Known			
		Application Number	10/055,713		
		Filing Date	Jan. 22, 2002		
		First Named Inventor	Jamieson et al.		
		Group Art Unit	1645		
		Examiner Name			
Sheet	23	of	25	Attorney Docket Number	8325-0026

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ¹
CC	C230	Thukral et al., "MUTATIONS IN THE ZINC FINGERS OF ADR1 THAT CHANGE THE SPECIFICITY OF DNA BINDING AND TRANSACTIVATION," Mol. Cell. Biol. 12(6): 2784-2792 (1992)	
	C231	Thukral et al., "ALANINE SCANNING SITE-DIRECTED MUTAGENESIS OF THE ZINC FINGERS OF TRANSCRIPTION FACTOR ADR1: RESIDUES THAT CONTACT DNA AND THAT TRANSACTIVATE," PNAS 88: 9188-9192 (1991)	
	C232	Torchia et al., "CO-ACTIVATORS AND CO-REPRESSORS IN THE INTEGRATION OF TRANSCRIPTIONAL RESPONSES," Curr. Opin. Cell. Biol. 10:373-383 (1998)	
	C233	Tyler et al., "THE 'DARK SIDE' OF CHROMATIN REMODELING: REPRESSIVE EFFECTS ON TRANSCRIPTION," Cell 99:443-446 (1999)	
	C234	Ulmasov et al., "ACTIVATION AND REPRESSION OF TRANSCRIPTION BY AUXIN-RESPONSE FACTORS," Proc. Natl. Acad. Sci. USA 96:5844-5849 (1999)	
	C235	Vorkamp et al., "IDENTIFICATION OF OPTIMIZED TARGET SEQUENCES FOR THE GL 13 ZINC FINGER PROTEIN," DNA Cell Biol. 14(7): 629-634 (1995)	
	C236	Wang et al., "POSTIVE AND NEGATIVE REGULATION OF GENE EXPRESSION IN EUKARYOTIC CELLS WITH AN INDUCIBLE TRANSCRIPTIONAL REGULATOR," Gene Ther. 4:432-441 (1997)	
	C237	Wang et al., "DIMERIZATION OF ZINC FINGERS MEDIATED BY PEPTIDES EVOLVED IN VITRO FROM RANDOM SEQUENCES," PNAS 96: 9568-9573 (1999)	
	C238	Webster et al., "CONVERSION OF THE E1A CYS4 ZINC FINGER TO A NONFUNCTIONAL HIS2, CYS2 ZINC FINGER BY A SINGLE POINT MUTATION," PNAS 88: 9989-9993 (1999)	
	C239	Weissbach & Weissbach, Methods for Plant Molecular Biology, Academic Press, NY, Section VIII, pp. 423-436 (1988)	
	C240	Whyatt et al., "THE TWO ZINC FINGER-LIKE DOMAINS OF GATA-1 HAVE DIFFERENT DNA BINDING SPECIFICITIES," EMBO J. 12(13): 4993-5005 (1993)	
✓	C241	Wilson et al., "IN VIVO MUTATIONAL ANALYSIS OF THE NGFI-A ZINC FINGERS," J. Biol. Chem. 267(6): 3718-3724 (1992)	

Examiner Signature		Date Considered	8/17/05
--------------------	--	-----------------	---------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number.

¹ Applicant is to place a check mark here if English language Translation attached.

Please type a plus sign (+) inside this box →



PTO/SB/08A (08-00)

Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		<i>Complete if Known</i>			
		Application Number	10/055,713		
		Filing Date	Jan. 22, 2002		
		First Named Inventor	Jamieson et al.		
		Group Art Unit	1645		
		Examiner Name			
Sheet	24	of	25	Attorney Docket Number	8325-0026

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ¹
CC	C242	Witzgall et al., "THE KRUPPEL-ASSOCIATED BOX-A (KRAB-A) DOMAIN OF ZINC FINGER PROTEINS MEDIATES TRANSCRIPTIONAL REPRESSION," PNAS 91: 4514-4518 (1994)	
	C243	Wolfe et al., "DNA RECOGNITION BY Cys2His2ZINC FINGER PROTEINS," Annu. Rev. Biophys. Biomol. Struct. 3:183-212 (1999)	
	C244	Wolfe et al., "ANALYSIS OF ZINC FINGERS OPTIMIZED VIA PHAGE DISPLAY: EVALUATING THE UTILITY OF A RECOGNITION CODE," J. Mol. Biol. 285: 1917-1934 (1999)	
	C245	Wright et al., "EXPRESSION OF A ZINC FINGER GENE IN HTLV-I AND HTLV-II TRANSFORMED CELLS," Science 248:588-591 (1990)	
	C246	Wu et al., "HUMAN IMMUNODEFICIENCY VIRUS TYPE 1 NUCLEOCAPSID PROTEIN REDUCES REVERSE TRANSCRIPTASE PAUSING AT A SECONDARY STRUCTURE NEAR THE MURINE LEUKEMIA VIRUS POLYPURINE TRACT," J. Virol. 70(10): 7132-7142 (1996)	
	C247	Wu et al., "FUNCTIONAL ANALYSIS OF HD2 HISTONE DEACETYLASE HOMOLOGUES IN ARABIDOPSIS THALIANA," Plant J. 22:19-27 (2000)	
	C248	Wu et al., "BUILDING ZINC FINGERS BY SELECTION: TOWARD A THERAPEUTIC APPLICATION," PNAS 92: 344-348 (1995)	
	C249	Yang et al., "SURFACE PLASMON RESONANCE BASED KINETIC STUDIES OF ZINC FINGER-DNA INTERACTION," J. Immunol. Methods 183: 175-182 (1995)	
	C250	Yin and Beachy, "THE REGULATORY REGIONS OF THE RICE TUNGRO BACILLIFORM VIRUS PROMOTER AND INTERACTING NUCLEAR FACTORS IN RICE (ORIZA SATIVA L.)," Plant J. 7:969-980 (1995)	
	C251	Yu et al., "A HAIRPIN RIBOZYME INHIBITS EXPRESSION OF DIVERSE STRAINS OF HUMAN IMMUNODEFICIENCY VIRUS TYPE 1," PNAS 90: 6340-6344 (1993)	
	C252	Zhang et al., "THE MECHANISM OF ACTION OF THYROID HORMONES," Ann Rev Physiol 62:439-466 (2000)	
	C253	Zhang et al., "SYNTHETIC ZINC FINGER TRANSCRIPTION FACTOR ACTION AT AN ENDOGENOUS CHROMOSOMAL SITE. ACTIVATION OF THE HUMAN ERYTHROPOIETIN GENE," Journal of Biological Chemistry 275(43): 33850-33860 (2000)	

Examiner Signature	<i>Cynthia Collins</i>	Date Considered	8/17/05
--------------------	------------------------	-----------------	---------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number.

¹ Applicant is to place a check mark here if English language Translation attached.

Please type a plus sign (+) inside this box →



PTO/SB/08A (08-00)

Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Complete if Known	
				Application Number	10/055,713
				Filing Date	Jan. 22, 2002
				First Named Inventor	Jamieson et al.
				Group Art Unit	1645
				Examiner Name	
Sheet	25	of	25	Attorney Docket Number	8325-0026

	C254	Zenke et al., "V-ERBA SPECIFICALLY SUPPRESSES TRANSCRIPTION OF THE AVIAN ERYTHROCUTE ANION TRANSPORTER (BAND 3) GENE," Cell 52:107-119 (1988)	
	C255	Zenke et al., "V-ERBA ONCOGENE ACTIVATION ENTAILS THE LOSS OF HORMONE-DEPENDANT REGULATOR ACTIVITY OF C-ERBA," Cell 61:1035-1049 (1990)	

Examiner Signature		Date Considered	8/17/05
--------------------	--	-----------------	---------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number.

¹ Applicant is to place a check mark here if English language Translation attached.